SYSTEM FOR DETECTING START CODES IN MPEG VIDEO STREAMS
AND METHOD OF OPERATING THE SAME

ABSTRACT OF THE DISCLOSURE

There is disclosed systems for detecting start codes in MPEG

5   video streams in a digital video recorder (DVR), and methods of

operating the same.   An exemplary MPEG decoder is capable of

decoding received bitstreams and generating PES packets. The MPEG

decoder includes a controller that detects start codes in the

received bitstreams, each of such codes having a three-byte start

10   code prefix and a one-byte start code value.   The controller is

operable to (i) fetch a thirty-two bit word of a received

bitstream, (ii) determine whether a start code prefix and a start

code value are properly aligned within the thirty-two bit word, and

(iii) if not properly aligned within the thirty-two bit word,

15   determine whether the least significant byte of the thirty-two bit

word may be part of the start code prefix.